Amendments to the Claims

1. (previously presented) A method of providing quality of service in an Internet Protocol (IP) telephony session between a calling party and a called party, which comprises the steps of:

transporting IP telephony media for said session between said calling party and a first device having IP telephony capability and ATM capability;

transporting IP telephony media for said session between said called party and a second device having IP telephony capability and ATM capability; and

establishing an ATM virtual circuit for said session between said first device and said second device, whereby a data path for the telephony session is secured by the use of proxy addressing.

2. (Original) The method as claimed in claim 1, wherein said first and second devices are routers.

3. (Original) The method as claimed in claim 1, wherein:

said first device is identified by a temporary session IP proxy address for said called party; and

said second device is identified by a temporary session IP proxy address for said calling party.

4. (Original) The method as claimed in claim 1, wherein said step of establishing an ATM virtual circuit between said first and second devices comprises the steps of:

assigning a calling party number for said session at said first device; and

assigning a called party number for said session at said second device.

5. (previously presented) A method of providing quality of service in an IP telephony session between a calling party and a called party, which comprises the steps of:

assigning a temporary IP proxy address to the called party at a first access control manager.

assigning a temporary IP proxy address to the calling party at a second access control manager.

establishing a switched virtual circuit for the session between the first access control manager and the second access control manager.

6. (Original) The method as claimed in claim 5, wherein said step of establishing said virtual circuit comprises the steps of:

assigning a temporary calling party address for said session at said first access control manager; and

assigning a temporary called party address for said session at said first access control manager.

7. (Original) The method as claimed in claim 6, wherein said step of assigning a temporary calling party address comprises the step of selecting a calling party address from a pool of calling party addresses allocated to said first access manager.

8. (Original) The method as claimed in claim 6, wherein said step of assigning a temporary called party address comprises the step of selecting a called party address from a pool of called party addresses allocated to said second access manager.

9. (Original) The method as claimed in claim 5, further comprising the steps of:

routing IP media traffic from said calling party to said called party IP proxy address at said first access control manager; and

routing IP media traffic from said called party to said calling party IP proxy address at said second access control manager.

10. (Original) The method as claimed in claim 9, further comprising the steps of:

translating IP media traffic received at said called party IP proxy address to ATM traffic for transport through said virtual circuit from said first access control manager to said second access control manager; and

translating IP media traffic received at said calling party IP proxy address to ATM traffic for transport through said virtual circuit from said second access control manager to said first access control manager.

11. (Original) The method as claimed in claim 10, further comprising the steps of:

translating ATM traffic received at said temporary called party address to IP media traffic for transport to said called party; and

translating ATM traffic received at said temporary calling party address to IP media traffic for transport to said calling party.

12. (currently amended) A method for providing quality of service in an IP telephony session between a calling party and a called party, which comprises the steps of:

assigning a temporary IP proxy address to the called party at a first access control manager, the first access control manager being configured to couple an IP network to a second network at a first access point;

assigning a temporary IP proxy address to the calling party at a second access control manager, the second access control manager being configured to couple the IP network to the second network at a second access point;

assigning a temporary second network calling party address for said session at said first access control manager; and

assigning a temporary second network calling party address for said session at said second access control manager.

13. (Original) The method as claimed in claim 12, wherein said step of assigning a temporary second network calling party address comprises the step of selecting a calling party address from a pool of second network calling party addresses allocated to said first access manager.

14. (Original) The method as claimed in claim 12, wherein said step of assigning a temporary second network called party address comprises the step of selecting a called party address from a pool of second network called party addresses allocated to said second access manager.

15. (Original) The method as claimed in claim 12, further comprising the steps of:

routing IP media traffic from said calling party to said called party IP proxy address at said first access control manager; and

routing IP media traffic from said called party to said calling party IP proxy address at said second access control manager.

16. (Original) The method as claimed in claim 15, wherein:

said second network includes an ATM network;

said temporary second network calling party address includes a temporary calling party number; and

said temporary second network called party address includes a temporary called party number.

17. (Original) The method as claimed in claim 16, further comprising the step of establishing a switched virtual connection through said ATM network between said temporary called party number and said temporary calling party number.

18. (Original) The method as claimed in claim 17, further comprising the steps of:

translating IP media traffic received at said called party IP proxy address to ATM traffic for transport through said virtual circuit from said first access control manager to said second access control manager; and

translating IP media traffic received at said calling party IP proxy address to ATM traffic for transport through said virtual circuit from said second access control manager to said first access control manager.

19. (Original) The method as claimed in claim 17, further comprising the steps of:

translating ATM traffic received at said temporary called party number to IP media traffic for transport to said called party; and

translating ATM traffic received at said temporary calling party number to IP media traffic for transport to said calling party.

20. (previously presented) A system for providing a quality of service IP telephony session between a calling party and a called party, which comprises:

an IP telephony network, said IP telephony network providing IP telephony access to the calling party and to the called party;

an ATM network;

a first device connected between said IP telephony network and said ATM network, said first device providing bi-directional translation between IP media traffic and ATM traffic;

a second device connected between said IP telephony network and said ATM network, said first device providing bi-directional translation between IP media traffic and ATM traffic; and

an intelligent control layer for establishing a virtual circuit through said ATM network for an IP telephony session between the calling party and the called party, whereby the first device and the second device are assigned on a per session basis.

21. (Original) The system as claimed in claim 20, wherein:

said first device is operably connected to an ingress switch of said ATM network; and

said second device is operably connected to an egress switch of said ATM network.

22. (Original) The system as claimed in claim 20, wherein said intelligent control layer comprises:

an ATM intelligent controller, said ATM intelligent controller providing session setup signaling to said first and second devices; and

an IP intelligent controller, said IP intelligent controller providing call setup signaling to said ATM intelligent controller.

23. (Original) The system as claimed in claim 20, wherein in said first and second devices each comprise a router.

24. (previously presented) The system as claimed in claim 20, wherein said intelligent control layer comprises:

means for assigning a temporary IP session proxy address for said called party at said first device; and

means for assigning a temporary IP session proxy address for said calling party at said second device.